



Unconventional solutions, unrivaled results.

Larry Johnson

Delta-T 25 years Production Ag.

15 years Ethanol Consultant

3 years Delta-T Corporation

Holiday Label



Super America Label



PDQ Label



Why Ethanol – The Discussion Agenda and History

Initially Politically Driven – Today also Market Driven

- | | |
|---------------------------------------|-----------------|
| ➤ Agriculture – Historic | 1900s and 1930s |
| ➤ Energy – Iranian Revolution | 1979 |
| ➤ Octane – CAA Lead Phase-out | 1985 |
| ➤ Energy – Gulf War | 1991 |
| ➤ Air Quality – CAAA Oxy and RFG | 1992 |
| ➤ Refinery Demand – At Capacity | 2000 |
| ➤ Renewable Energy – All of the Above | TODAY |

Mechanical and Performance Issues

- **Octane**
- **Volatility**
- **Distillation**
- **Deposits**
- **Materials Compatibility**
- **Enleanment**
- **Mileage**
- **Phase Separation**